

Product datasheet for SC204970

HARS1 (NM_002109) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	HARS1 (NM_002109) Human 3' UTR Clone
Symbol:	HARS1
Synonyms:	CMT2W; HARS; HRS; USH3B
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002109
Insert Size:	382 bp
Insert Sequence:	<p>>SC204970 3'UTR clone of NM_002109</p> <p>The sequence shown below is from the reference sequence of NM_002109. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
AGAACAGGCCAGCCCCTCTGCATCTGCTGAAGTGAACAACTATCAGAGGAAAGGAAGTGGGACTGGCA
CTATTTGAGGTAAAGACAACTGCATATGTACTTCAATTGCTTTGCACTTTCCGTTTCAGCGGAAGAC
CTGAAGAGTGGTCAGAACAGAGCCTTTGATTTTATTATGTTATTTATTGATTATTACTGGCAAAAA
CGGCCAGGTACAACACCTTTTTCATACAAGGCCAGGAGGCTTAGTCCAGTCTGTGCTCCTGGGCTACA
AGGACCCAGCCTGAGATGGTCCCATCTGCAGGGCCCCGCACCAAGTTGGAGCAGATGCCTCCCCACCACC
AATTGCCAAAGGTCCAATAAAATGCCTCAACCACGGA
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.


[View online »](#)

RefSeq: [NM_002109.6](#)

Summary: Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene is a cytoplasmic enzyme which belongs to the class II family of aminoacyl-tRNA synthetases. The enzyme is responsible for the synthesis of histidyl-transfer RNA, which is essential for the incorporation of histidine into proteins. The gene is located in a head-to-head orientation with HARSL on chromosome five, where the homologous genes share a bidirectional promoter. The gene product is a frequent target of autoantibodies in the human autoimmune disease polymyositis/dermatomyositis. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

Locus ID: 3035

MW: 14.4